

Title (en)
PIEZOELECTRIC TRANSDUCER

Publication
EP 0104457 A3 19860129 (DE)

Application
EP 83108429 A 19830826

Priority
DE 3232177 A 19820830

Abstract (en)
[origin: US4494032A] The invention relates to a transducer plate for electro-acoustic transducers, such as used in telecommunications technology, having a carrier plate and a ceramic plate arranged on a carrier plate. The invention teaches a transducer plate which is dimensioned so that it can be used in a microphone, a receiver or a piezoelectric VF ringing device despite the different voltage response factors required for each application. The following dimensions should preferably be used: transducer plate diameter (02)=43 mm; ceramic plate diameter (01)=30 mm; transducer plate thickness (d)=150 microns; and ceramic plate thickness (1)=90 microns.

IPC 1-7
H04R 17/00

IPC 8 full level
H04R 1/22 (2006.01); **H04R 17/00** (2006.01); **H04R 17/10** (2006.01)

CPC (source: EP US)
H04R 1/22 (2013.01 - EP US); **H04R 17/00** (2013.01 - EP US); **H04R 17/10** (2013.01 - EP US); **H04R 2499/11** (2013.01 - EP US)

Citation (search report)

- [X] DE 2831401 A1 19800131 - SIEMENS AG
- [A] DE 1299724 B 19690724 - SIEMENS AG
- [A] EP 0034730 A1 19810902 - SIEMENS AG [DE]
- [A] EP 0007435 A1 19800206 - SIEMENS AG [DE]
- [X] JOURNAL OF ELECTRONIC ENGINEERING, Band 19, Nr. 185, Mai 1982, Seiten 35-37, Tokio, JP; TADASHI TAKAYA: "Role of piezoelectric speakers in the speech synthesis era"
- [Y] ELECTRO-TECHNOLOGY, Band 85, Nr. 1, Januar 1970, Seiten 33-38, New York, US; D. BERLIN COURT: "Piezoelectric transducers"

Cited by
EP0451306A1; US5457353A; GB2205159A; GB2205159B

Designated contracting state (EPC)
BE IT NL

DOCDB simple family (publication)
DE 3232177 A1 19840301; AR 230356 A1 19840301; AU 1850383 A 19840308; BR 8304684 A 19840410; EP 0104457 A2 19840404; EP 0104457 A3 19860129; FI 833065 A0 19830829; FI 833065 A 19840301; GR 79371 B 19841022; IN 158400 B 19861108; JP S5957600 A 19840403; US 4494032 A 19850115

DOCDB simple family (application)
DE 3232177 A 19820830; AR 29354783 A 19830707; AU 1850383 A 19830829; BR 8304684 A 19830829; EP 83108429 A 19830826; FI 833065 A 19830829; GR 830172312 A 19830829; IN 737CA1983 A 19830613; JP 14973083 A 19830818; US 52426783 A 19830818